

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	10/824507	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 12:23
L2	1492	347/54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 11:49
L3	2	"20010045973"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 11:59
L4	1	"200298547"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 12:23
L5	2	"20020098547"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 12:23
L6	2	"20020093547"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 12:23
S1	52	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 16:16

## EAST Search History

S2	6	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and (steer\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 14:55
S3	1	10/824507 and steering	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 15:22
S4	1	"347"/\$3 and (chamber or container or recess) same (orifice or hole or nozzle or ejector) same (steer\$3) same heat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 16:28
S5	2	"20020130931"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 16:27
S6	15	"347"/\$3 and (steer\$3 with actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 14:57
S7	1	"347"/\$3 and (steer\$3 with mechanical near actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 14:58
S8	15	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 15:22

## EAST Search History

S9	22	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and actuat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 15:03
S10	8	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and (actuat\$3 or paddle) with (steer\$3 or direct\$3 or path)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 15:06
S11	1	"347"/\$3 and (steer\$3 with paddle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 15:06
S12	85	"347"/\$3 and ((steer\$3 or direct\$3 or path\$3 or re\$direct\$3) with ink with paddle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:08
S13	0	"347"/\$3 and ((steer\$3) with ink with paddle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:07
S14	83	"347"/\$3 and ((steer\$3 or direct\$3 or re\$direct\$3) with ink with paddle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:08
S15	981	(ink with actuat\$3) and (actuat\$3 with paddle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:08

## EAST Search History

S16	905	(ink with actuat\$3) same (actuat\$3 with paddle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:11
S17	731	(ink with actuat\$3) same (actuat\$3 with paddle) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:08
S18	122	(ink with actuat\$3) same (actuat\$3 with (paddle and valve)) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:10
S19	94	(ink with actuat\$3) same (actuat\$3 with ((paddle with chamber) and valve)) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:10
S20	0	(ink with actuat\$3) same (actuat\$3 with ((paddle with chamber) and valve)) and "347"/\$3 not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:10
S21	18	(ink with actuat\$3) same (actuat\$3 with paddle) and "347"/\$3 not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:16
S22	0	(ink with actuat\$3) same (actuat\$3 with paddle same steer\$3) and "347"/\$3 not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:13
S23	14	(ink with actuat\$3) same (actuat\$3 with paddle same (steer\$3 or direct\$3)) and "347"/\$3 not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:13

## EAST Search History

S24	264	(ink with actuat\$3) same (actuat\$3 with valve) and "347"/\$3 not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:18
S25	4	(ink with actuat\$3) same (actuat\$3 with valve with mechanical) and "347"/\$3 not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:19
S26	0	(ink with actuat\$3) same (actuat\$3 with valve with steer\$3I) and "347"/\$3 not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:18
S27	74	"347"/\$3 and (steer\$3 or direct\$3) with (valve) with actuat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:21
S28	14	"347"/\$3 and (steer\$3 or directing or directed) with (valve) with actuat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:21
S29	8	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and actuator and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 15:22
S30	8	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and actuator and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:14

## EAST Search History

S31	1	10/824507 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 15:25
S32	2137	mechanical near actuat\$3 with valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 15:25
S33	8	mechanical near actuat\$3 with valve and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 15:25
S34	4	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and actuator same valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:49
S35	10	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and heat same (direct\$3 or steer\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:46
S36	12	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and electrode same (direct\$3 or steer\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:50

## EAST Search History

S37	2	("6213595").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:49
S38	0	("6213595").pn. and piezo	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:49
S39	13	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and actuat\$3 with (piezo or piezo\$electric or PZT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:51
S40	4	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and actuat\$3 with (moving or movable or mov\$3 or location)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:51
S41	10	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and actuat\$3 with (moving or movable or mov\$3 or location or position)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:56

## EAST Search History

S42	10	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and actual\$3 with (moving or movable or mov\$3 or location or position\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 15:55
S43	6	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and steer\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:03
S44	27	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and (heat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:03
S45	3	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and (heat\$3) and (nozzle or orifice) with plate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:03
S46	962	"347"/\$3 and (heater with chamber same ((nozzle or orifice) with plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:05
S47	397	"347"/\$3 and (heater with chamber with ((nozzle or orifice) with plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:11



## EAST Search History

S48	2	"4494128".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:11
S49	52	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:23
S50	1316	dante.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 16:16
S51	9	dante.in. and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 16:18
S52	49	"347"/\$3 and (movable near actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 16:21
S53	148	"347"/\$3 and ((movable or moved or move or moves or moving or re\$locat\$3 or chang\$3) near actuator with position)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 16:22
S54	214	"347"/\$3 and ((movable or moved or move or moves or moving or re\$locat\$3 or chang\$3) near4 actuator near4 position)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 16:22

## EAST Search History

S55	0	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and acutat\$3 with mov\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:24
S56	0	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and actuat\$3 with mov\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:24
S57	22	("6588888" "6572222" "6536873" "6527357" "6517197" "6508543" "6491362" "6457797" "6367909" "6217163" "6213595" "6079821" "5224843" "4914522" "4956648" "4384296" "4347521" "4275401" "3709432" "3373437" "1941001" "20030174190" "20030112302" "20030081064").pn. and actuat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 16:24
S58	0	"347"/\$3 and (acutator with movable with chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 16:28
S59	98	"347"/\$3 and (actuator with movable with chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 16:30
S60	27	"347"/\$3 and (actuator with movable with chamber) not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/20 16:31

## EAST Search History

S61	2	"20010045973"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/21 07:59
S62	2	"20020107303"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/21 10:42
S63	1	10/858556	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/21 10:52
S64	11	"1323789"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/21 10:52